What is claimed is:

1. A magnetic recording medium comprising:

a non-magnetic support;

at least one primer layer on one surface of said non-magnetic support;

a magnetic layer on said primer layer; and

a back coat layer on the other surface of said non-magnetic support, wherein said primer layer has a thickness of 1.3 μm or less, and said magnetic recording medium has an edge weave of 3.2 μm or less.

2.The magnetic recording medium according to claim 1, wherein said primer layer has a thickness of 1.0 μm or less.

3.The magnetic recording medium according to claim 1, wherein said primer layer contains carbon black and at least one non-magnetic metal oxide selected from the group consisting of alumina and iron oxide.

4.The magnetic recording medium according to claim 1, wherein said non-magnetic support has a thickness of 2 to 5 μm.

5.The magnetic recording medium according to claim 1, wherein said magnetic layer contains ferromagnetic iron-based metal powder having an average major axis length of 0.03 to 2 μm.

6.The magnetic recording medium according to claim 1, wherein said magnetic layer has a coercive force of 135 to 280 kA/m (1,700 to 3,500 Oe).

7.Themagnetic recording medium according to claim 3, wherein said non-magnetic support has a ratio of Young's modulus in a machine direction to Young's modulus in a transverse direction from 0.65 to 0.75.

8.The The magnetic recording medium according to claim 7, wherein said primer layer has a thickness of 1.0 μm or less.